



Epiroc SR drill strings

Drill strings for sustainable productivity



Drill strings for multiple applications

The Epiroc SR drill string family are developed for underground rock excavation and surface drilling projects, where there is a demand for high quality of bolting and drifting equipment.

Adapted to the new generation of powerful hydraulic rock drills the Epiroc SR drill string family transmits that power into the rock efficiently and reliably. With a faster rate of advance it lowers the cost per drill meter, boosting productivity and increasing safety and operator focus.

With more material to resist the stresses leading to thread breakage, the Epiroc SR drill

string family has a substantial increase in fatigue strength, with fewer tensile shock waves it reduces the stress in the string for less wear on the rock drill and drill rig components extending the service life.

A stiffer rod means there is less breakage, maintenance can be planned, and productivity optimized with straighter and more accurate holes drilled.

+ Main benefits

Easier to uncouple the bit thanks to the intelligent design of the thread system

Easier collaring and straighter holes thanks to a stiffer more rigid drill string

High productivity with easy collaring, straighter holes, and more availability of equipment during the drilling cycle



Scan to read more about our products.



Powerbit X – Protected by diamonds



Safety – Eliminate live work
Improve safety with fewer drill bit changes.

Higher productivity – Expand potential of automation
Boost productivity by drilling without interruption.

Environmental friendly – Cut down CO₂ emissions
Reduce the amount of CO₂ emissions per drilled meter, by up to 90%.

Straightness and accuracy. Pure perfection.

The conical shape means more quality material at the rod end to prevent breakage with less tendency for deviation when collaring. High quality materials combined with state-of-the-art manufacturing mean drifting equipment ready to hold up to heavy duty drilling cycles with superior product life.



+ Sustainability

The drill string is adapted to a new generation of powerful hydraulic rock drills with a considerably longer rod life and less raw material outtake thanks to the patented design of the conical shaped rope thread that facilitates rapid coupling and uncoupling.



+ Operator in focus

High operator acceptance thanks to easy coupling and uncoupling of the drill bits. Easy uncoupling provides a safer working environment and a happier operator.



+ Improved performance

Designed to reduce tensile shock waves in the drill string, a higher fatigue strength improves resistance and reliability, raising productivity with less wear, better fuel efficiency and sustainable drilling.



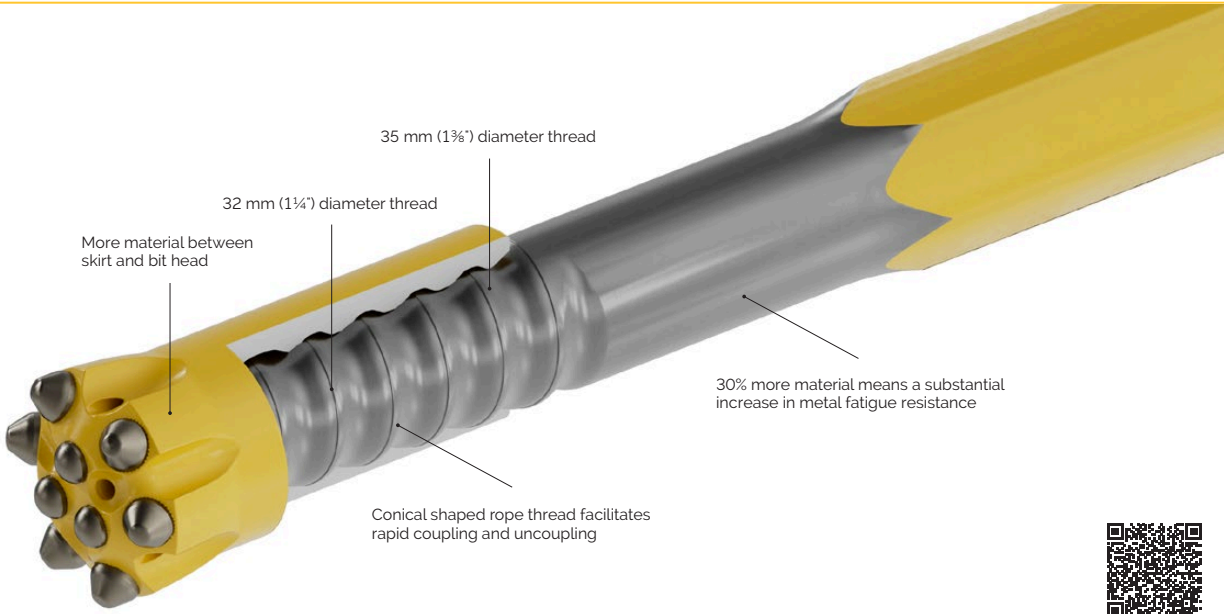
A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.

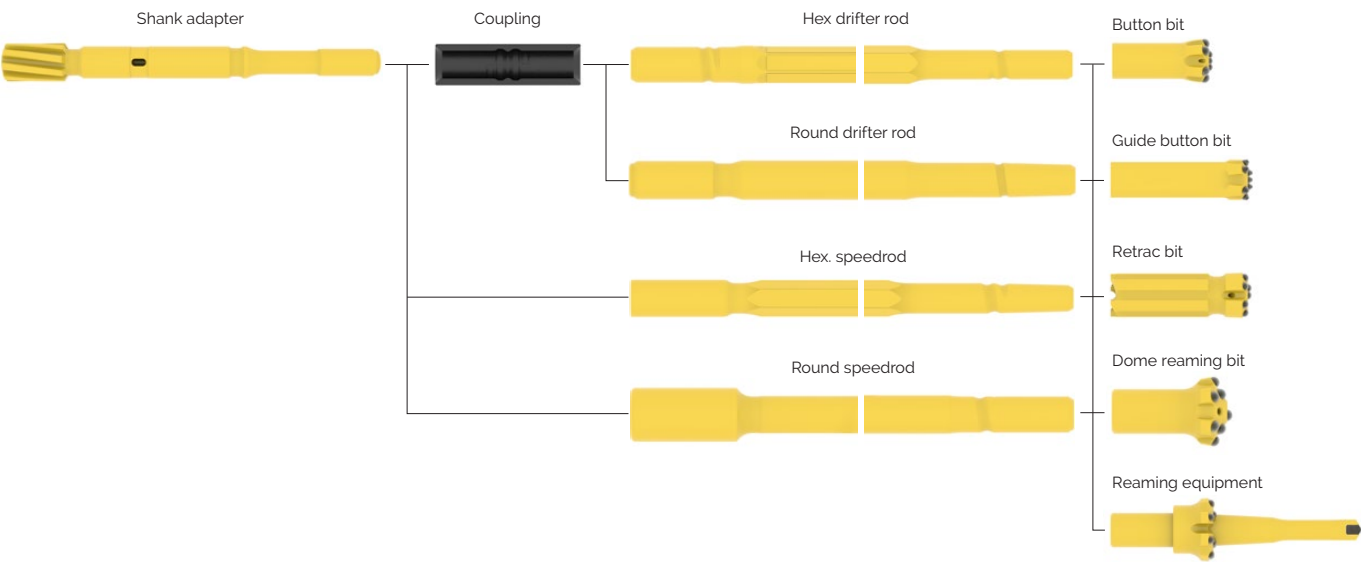
Epiroc SR drill strings – Technical specifications

Epiroc SR thread system – Example below shows SR35



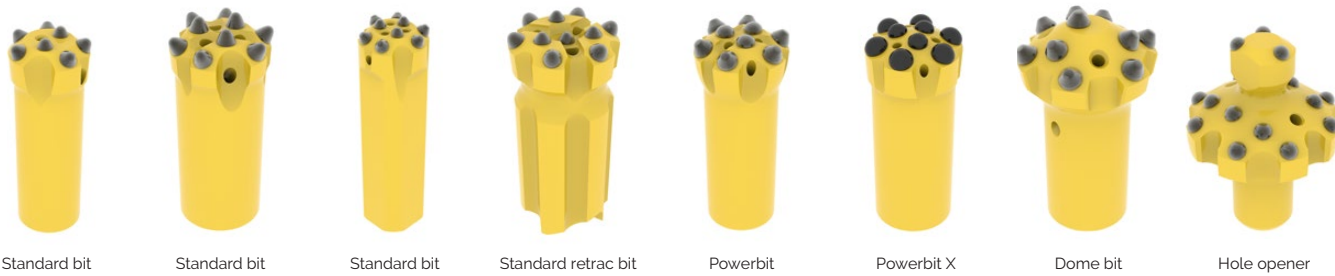
Discover more about Epiroc SR drill string family

Example of Epiroc SR drill string



Example of Epiroc SR drill bits

For more drill bits and other technical specifications, see next page or Epiroc Tophammer catalogue.



Please note: that all button bits are manufactured over-sized 0,5-2,5 mm (it depends on the size of bit and buttons), meaning that for example a 45,0 mm bit is at least 45,5 mm as new, or the size of a 140,0 mm new bit can be 141,5 mm to 142,5 mm (it depends on the model and type of bit). This is done because of the fast initial wear on button bits. It is important to consider that the drilled hole could vary in size thanks to drilling conditions, drilling practices and ground formation.

Epiroc SR drill strings – Technical specifications

Drill bits

Product No.	Product code	Front shape	Button size	Bit diameter		Retrac	No. of buttons	Buttons x button diameter		Buttons angle		Flushing hole		Indexing template for grinding
				mm	inch			mm gauge	mm center	Gauge	Center	Side	Center	
Ballistic buttons – SR35														
90514595	128-5051-24-45-67,39-20	Flat Face	Std	51	2"	Yes	11	8x9	3x9	35°	-	1	1	87003493
90514220	128-5054-24-45-67,39-20	Flat Face	Std	54	2½"	Yes	11	8x9	3x9	35°	-	1	1	87004464
90513870	128-5064-67,49-20	Flat Face	Std	64	2½"	No	12	8x10	4x10	40°	-	-	2	87003489
Trubbnos buttons – SR35														
90030054	128-5043-39-70,37-20	PUG -Flat Face	Std	43	1½"	No	9	6x9	3x8	35°	-	3	3	87003495
90030015	128-5045-39-30-70,37-20	PUG -Flat Face	Std	45	1¼"	No	9	6x9	3x8	40°	-	3	3	87003495
90029939	128-5045-39-70,37-20	PUG -Flat Face	Std	45	1¼"	No	9	6x10	3x9	35°	-	3	3	87003495
90030038	128-5048-39-70,37-20	PUG -Flat Face	Std	48	1½"	No	9	6x11	3x9	35°	-	3	3	87003495
90030046	128-5051-39-70,37-20	PUG -Flat Face	Std	51	2"	No	9	6x11	3x9	35°	-	3	3	87003488
5697002477	128-5051-39-30-70,37-20	PUG -Flat Face		51	2"	No	9	6x11	3x9	35°	-	-	3	
Spherical buttons – SR35														
90030016	128-5045-39,37-20	PUG -Flat Face	Std	45	1¼"	No	9	6x10	3x9	35°	-	3	3	87003495
90030040	128-5048-39,37-20	PUG -Flat Face	Std	48	1½"	No	9	6x11	3x9	35°	-	3	3	87003495
90030044	128-5051-39,37-20	PUG -Flat Face	Std	51	2"	No	9	6x11	3x9	35°	-	3	3	87003488
Spherical buttons – SR35														
90513844	128-5043-27,39-20	Flat Face	Std	43	1½"	No	7	5x9	2x9	35°	-	2	1	87003499
Trubbnos buttons														
5697001857	128-5064-70,57-20	Flat Face		64	2½"	No	13	8x10	5x9	35°	-	-	4	
Trubbnos buttons – SR35														
90029892	128-5076-42-24-70,57-20	Dome bit	Std	76	3"	No	10	9x12,7	1x12,7	35°	-	-	3	87003951
90029881	128-5089-42-24-70,57-20	Dome bit	Std	89	3½"	No	15	14x12,7	1x12,7	35°	-	1	2	87003953
90029808	128-5102-42-24-70,57-20	Dome bit	Std	102	4"	No	17	16x12,7	1x12,7	35°	-	1	2	87003953
Spherical buttons – SR35														
90029890	128-5089-42-24,57-20	Dome bit	Std	89	3½"	No	15	14x12,7	1x12,7	35°	-	2	2	87003953
90029807	128-5102-42-24,57-20	Dome bit	Std	102	4"	No	17	16x12,7	1x12,7	35°	-	1	2	87003953
90029893	128-5127-42-24,57-20	Dome bit	Std	127	5"	No	19	18x12,7	1x12,7	35°	-	1	3	87004775
Epiroc SR35 PCD button bits – SR35														
5697002643	128-5045-39-84,37-D21	Powerbit X	Std	45	1½"	No	9	6 x 10	3 x 10	30°	15°	3	3	-
5697001694	128-5048-39-84,37-D21	Powerbit X	Std	48	1¾"	No	9	6 x 12	3 x 10	25°	15°	3	3	-
5697002448	128-5051-41-39-84,37-D21	Powerbit X	Std	51	2"	No	9	6 x 12	3 x 10	35°	15°	3	3	-
Ballistic buttons – SR28														
90514137	125-5033-41-67,39-20	Flat Face	Std	33	1½"	No	7	5x8	2x7	40°	-	1	1	87004037
90514102	125-5035-27-67,39-20	Flat Face	Std	35	1¾"	No	7	5x9	2x7	25°	-	1	1	87003483
90003625	125-5037-99-67,39-20	Flat Face	Std	37	1½"	No	7	5x9	2x7	35°	-	1	1	87004741
90516334	125-5038-41-67,39-20	Flat Face	Std	38	1½"	No	7	5x9	2x8	40°	-	1	1	87004741
Trubbnos buttons – SR28														
5697001941	125-5044-39-70,37-20	PUG -Flat Face	Std	44	1 11⁄16"	No	9	6x9	3x8	35°	-	3	3	
90030012	125-5045-39-70,37-20	PUG -Flat Face	Std	45	1¼"	No	9	6x10	3x9	35°	-	3	3	87003495
Spherical buttons – SR28														
90029307	125-5043-27,39-20	Flat Face	Std	35	1¾"	No	7	5x9	2x9	35°	-	1	1	87005310
90514117	125-5033-41,39-20	Flat Face	Std	37	1½"	No	7	5x8	2x7	40°	-	1	1	87004037
90514167	125-5037-99,39-20	Flat Face	Std	38	1½"	No	7	5x9	2x7	35°	-	1	1	87003483
90514200	125-5033-17,39-20	Flat Face	Std	40	1½"	No	7	5x7	2x7	35°	-	1	1	87003484
90514282	125-5038-27,39-20	Flat Face	Std	41	1¾"	No	7	5x9	2x7	30°	-	1	1	87003483
90514322	125-5035-27,39-20	Flat Face	Std	41	1¾"	No	7	5x9	2x7	25°	-	1	1	87003483
90514507	125-5045-27,39-20	Flat Face	Std	41	1¾"	No	7	5x11	2x8	30°	-	1	2	87003480
90514793	125-5051-27,39-20	Flat Face	Std	42	1¾"	No	7	5x11	2x10	35°	-	1	2	87003485
90515379	125-5041-27,39-20	Flat Face	Std	42	1¾"	No	7	5x9	2x8	40°	-	1	1	87005310
Ballistic bit – SR25														
90029566	124-5038-34-67,39-20	Flat Face	Std	38	1½"	No	8	6x6	2x8	40°	-	2	2	87003492
Ballistic buttons (Taperbits could be used with SR22 taper system) – SR22														
90029254	129-5033-34-67, 39-20	Flat Face	Std	33	1½"	No	8	6x7	2x7	40°	-	4	2	87004513

Epiroc SR drill strings – Technical specifications

Shank adapters

Rock drill	Product no.	Product code	Length (L)	Diameter (D)	Spline type	Second diameter	Spline length	Spline diameter	Spline dimension
			mm	mm		mm	mm	mm	mm
COP 1028 HB	90515870	425-07202,10	400	45	Straight	25	55	33	-
COP RR11, COP1132	90516561	425-15705,10	435	35	Straight	-	79	38	5.3

Drifter rods

T38 (1½") Hex. 35 mm (1¾") Epiroc SR35 (1¾")



Fully carburized. Rod section 39,6 mm
Flushing hole diameter 9,5 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or surface hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
5697001868	228-0620-35-C,02	2 000	6'6¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90514159	228-0627-35-91-C,02	2 670	8'9¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90514160	228-0632-35-91-C,02	3 150	10'4"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90513856	228-0637-35-C,02	3 700	12'1¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90513858	228-0643-35-C,02	4 310	14'1¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90513860	228-0649-35-C,02	4 920	16'1¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive
90513861	228-0655-35-C,02	5 530	18'1¾"	T38	C	Hex35	39,6	9,5	-	No	Bottom drive

Drifter rods

T38 (1½") Round 39 (1 17⁄32") Epiroc SR35 (1¾")



Fully carburized. Without wrench flat.
Flushing hole diameter 14,5 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or surface hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
90003570	228-4743-35-C,02	4 310	14'1¾"	T38	C	Rnd39	39	14,5	57	No	Bottom drive
90003571	228-4749-35-C,02	4 920	16'1¾"	T38	C	Rnd39	39	14,5	57	No	Bottom drive
90003572	228-4755-35-C,02	5 530	18'1¾"	T38	C	Rnd39	39	14,5	57	No	Bottom drive
90003573	228-4761-35-C,02	6 095	20'¾"	T38	C	Rnd39	39	14,5	57	No	Bottom drive
90003574	228-4764-35-C,02	6 400	21'	T38	C	Rnd39	39	14,5	57	No	Bottom drive

Drifter rods

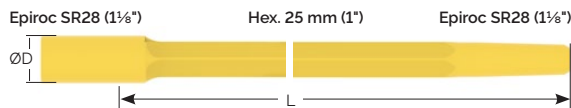
R32 (1¾") Hex. 28 mm (1½") Epiroc SR28 (1½")



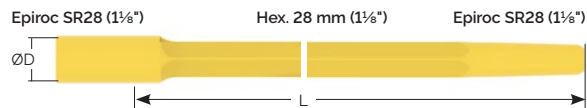
Fully carburized. Rod section 31,8 mm
Flushing hole diameter 8,8 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or surface hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
90514370	225-0424-03-C,02	2 400	7'10½"	R32	C	Hex28	31,8	8,8	-	No	Bottom drive
90514153	225-0426-03-C,02	2 600	8'6¾"	R32	C	Hex28	31,8	8,8	-	No	Bottom drive
90514164	225-0428-03-C,02	2 800	9'2¼"	R32	C	Hex28	31,8	8,8	-	No	Bottom drive
90515496	225-0433-03-C,02	3 330	11'	R32	C	Hex28	31,8	8,8	-	No	Bottom drive

Speedrods



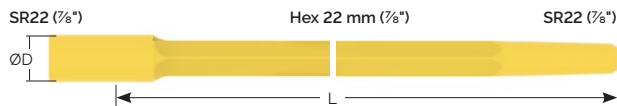
Fully carburized. D=34 mm. Rod section 28,4 mm
Flushing hole diameter 8,5 mm.



Fully carburized. D=39 mm. Rod section 31,8 mm
Flushing hole diameter 8,8 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or surface hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
90515420	225-0407-69-MF-C,02	675	2'2 3/4"	Epiroc SR28	C	Hex28	31,8	8,8	34	No	Bottom drive
90029906	225-0311-69-MF-C,02	1 100	3' 7 5/16"	Epiroc SR28	C	Hex25	28,4	8,6	34	No	Bottom drive
90003641	225-0412-69-MF-C,02	1 220	4'	Epiroc SR28	C	Hex28	31,8	8,8	34	No	Bottom drive
90029907	225-0319-69-MF-C,02	1 900	6'2 3/4"	Epiroc SR28	C	Hex25	28,4	8,6	34	No	Bottom drive

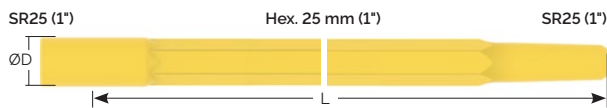
Speedrods



Fully carburized. D=30 mm. Rod section 24,8mm
Flushing hole diameter 6,7 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or Surface Hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
90515244	229-0203-69-91-MF-C,02	340	1'1 1/8"	SR22	C	Hex22	24,8	6,7	28,5	No	Bottom drive
90516402	229-0206-MF-C,02	600	1'11 1/8"	SR22	C	Hex22	24,8	6,7	30	No	Bottom drive
90029389	229-0208-69-MF-C,02	740	2'5 1/8"	SR22	C	Hex22	24,8	6,7	28,5	No	Bottom drive
90516438	229-0212-MF-C,02	1 220	4'	SR22	C	Hex22	24,8	6,7	30	No	Bottom drive

Speedrods



Fully carburized. D=34 mm. Rod section 28,4 mm
Flushing hole diameter 8,6 mm.

Product No.	Product code	Rod length		Shank thread	Carburized or surface hardened	Shape	Section	Flushing hole	Coupling D	Wrench flat	Strike face contact type
		mm	foot/inch				mm	mm	mm		
90029031	224-0307-69-91-MF-C,02	734	2'4 1/8"	SR25	C	Hex25	28,4	8,6	31	No	Bottom drive
90029032	224-0309-69-91-MF-C,02	930	3' 3/8"	SR25	C	Hex25	28,4	8,6	31	No	Bottom drive
90029465	224-0309--69-91-860-MF-C,02	860	2'9 7/8"	SR25	C	Hex25	28,4	8,6	31	No	Bottom drive

Products in this brochure are just a part of our wide range.
For the rest of the range, please see our Tophammer product catalogue.



United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward.
Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
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